

METHOD OF PRODUCTION, METHOD OF INSPECTION, AND
METHOD OF USE OF SCANNING PROBE MICROSCOPE PROBE

ABSTRACT OF THE DISCLOSURE

A method of production of a scanning probe microscope probe provided with a sharp head made of a single wall carbon nanotube comprising imparting a catalyst metal to a tip of probe body, then irradiating the catalyzed part of the tip of the probe body by an arc discharge caused between needle shaped carbon electrodes in an inert gas atmosphere in a scanning probe microscope so as to grow a single wall carbon nanotube at the catalyzed part, and a method of inspection and method of use of the same.